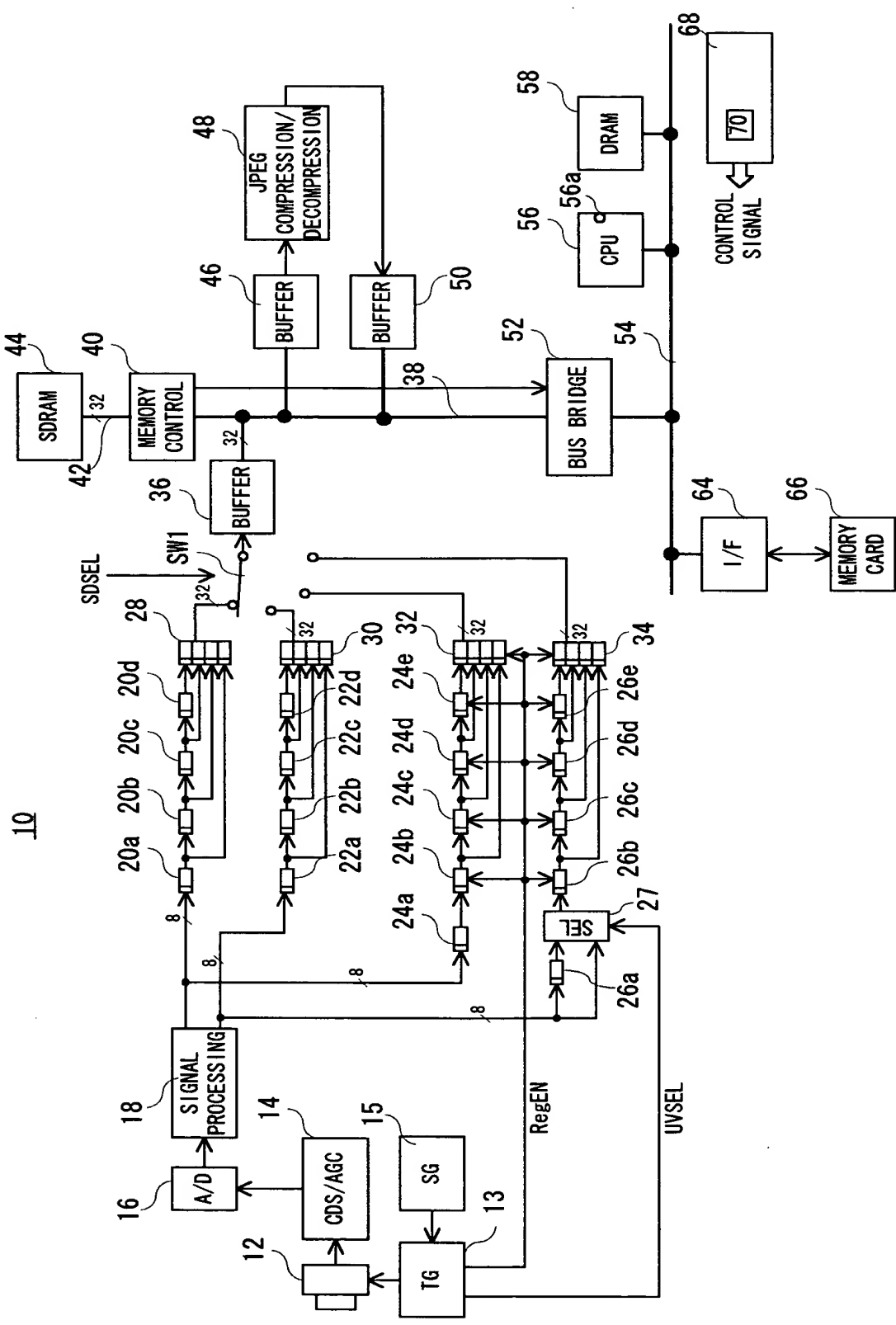


FIG. 1





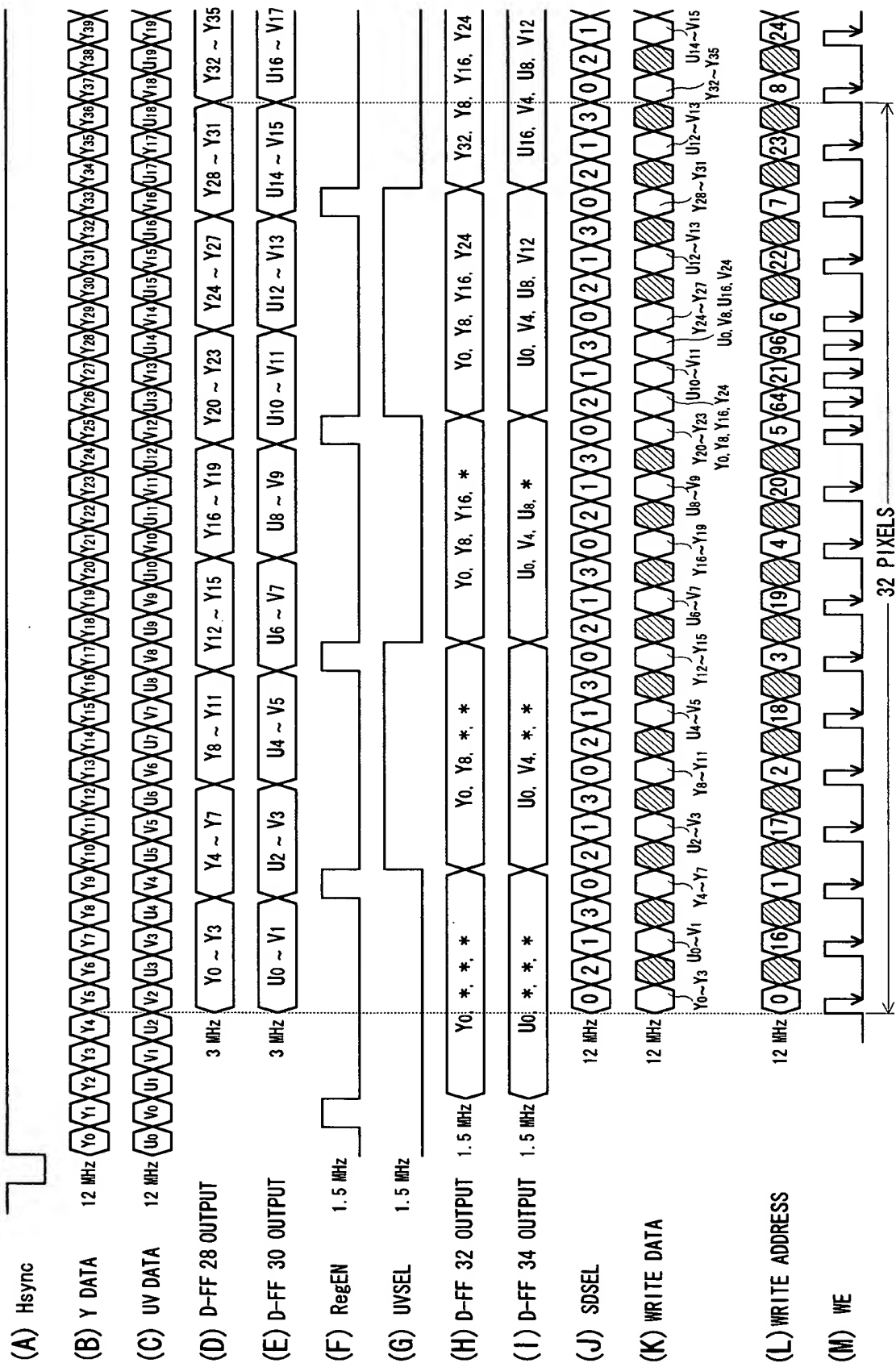
|           |           |          |
|-----------|-----------|----------|
| APPROVED  | O.G. FIG. |          |
| BY        | CLASS     | SUBCLASS |
| DRAFTSMAN |           |          |

FIG. 3

|     |                 |                 |                 |                 |                |        |
|-----|-----------------|-----------------|-----------------|-----------------|----------------|--------|
| 127 |                 |                 |                 |                 | THUMBNAIL AREA |        |
| 115 |                 |                 |                 |                 |                |        |
|     |                 |                 |                 |                 |                |        |
| 97  | U <sub>16</sub> | V <sub>20</sub> | U <sub>24</sub> | V <sub>28</sub> |                |        |
| 96  | U <sub>0</sub>  | V <sub>4</sub>  | U <sub>8</sub>  | V <sub>12</sub> |                |        |
| 95  |                 |                 |                 |                 |                |        |
|     |                 |                 |                 |                 |                |        |
| 83  |                 |                 |                 |                 |                |        |
|     |                 |                 |                 |                 |                |        |
| 65  | Y <sub>32</sub> | Y <sub>40</sub> | Y <sub>48</sub> | Y <sub>56</sub> |                | BANK 2 |
| 64  | Y <sub>0</sub>  | Y <sub>8</sub>  | Y <sub>16</sub> | Y <sub>24</sub> |                |        |
| 63  | U <sub>30</sub> | V <sub>30</sub> | U <sub>31</sub> | V <sub>31</sub> |                |        |
|     |                 |                 |                 |                 |                |        |
| 49  | U <sub>2</sub>  | V <sub>2</sub>  | U <sub>3</sub>  | V <sub>3</sub>  |                |        |
| 48  | U <sub>0</sub>  | V <sub>0</sub>  | U <sub>1</sub>  | V <sub>1</sub>  |                |        |
| 47  | Y <sub>60</sub> | Y <sub>61</sub> | Y <sub>62</sub> | Y <sub>63</sub> |                |        |
|     |                 |                 |                 |                 |                |        |
| 33  | Y <sub>4</sub>  | Y <sub>5</sub>  | Y <sub>6</sub>  | Y <sub>7</sub>  | ORIGINAL AREA  |        |
| 32  | Y <sub>0</sub>  | Y <sub>1</sub>  | Y <sub>2</sub>  | Y <sub>3</sub>  |                |        |
| 31  | U <sub>30</sub> | V <sub>30</sub> | U <sub>31</sub> | V <sub>31</sub> |                |        |
|     |                 |                 |                 |                 |                |        |
| 17  | U <sub>2</sub>  | V <sub>2</sub>  | U <sub>3</sub>  | V <sub>3</sub>  |                |        |
| 16  | U <sub>0</sub>  | V <sub>0</sub>  | U <sub>1</sub>  | V <sub>1</sub>  |                |        |
| 15  | Y <sub>60</sub> | Y <sub>61</sub> | Y <sub>62</sub> | Y <sub>63</sub> |                |        |
|     |                 |                 |                 |                 |                |        |
| 1   | Y <sub>4</sub>  | Y <sub>5</sub>  | Y <sub>6</sub>  | Y <sub>7</sub>  |                | BANK 1 |
| 0   | Y <sub>0</sub>  | Y <sub>1</sub>  | Y <sub>2</sub>  | Y <sub>3</sub>  |                |        |

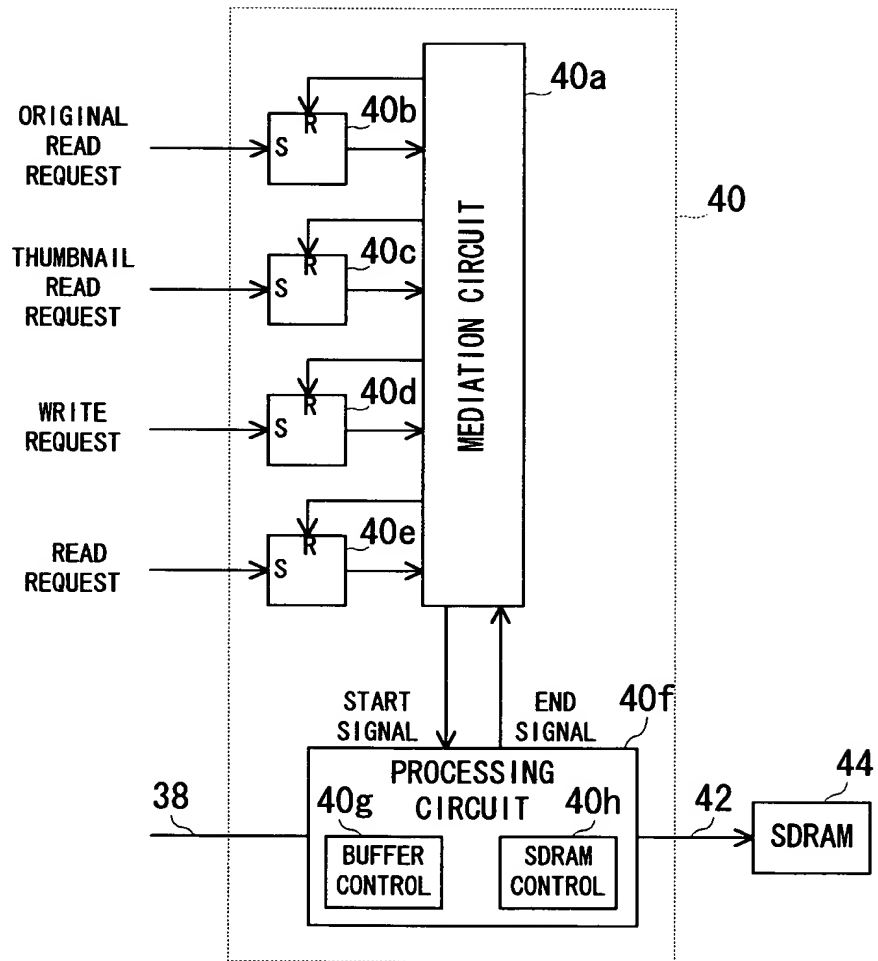
66501790760

FIG. 4



|           |           |          |
|-----------|-----------|----------|
| APPROVED  | O.G. FIG. |          |
| BY        | CLASS     | SUBCLASS |
| DRAFTSMAN |           |          |

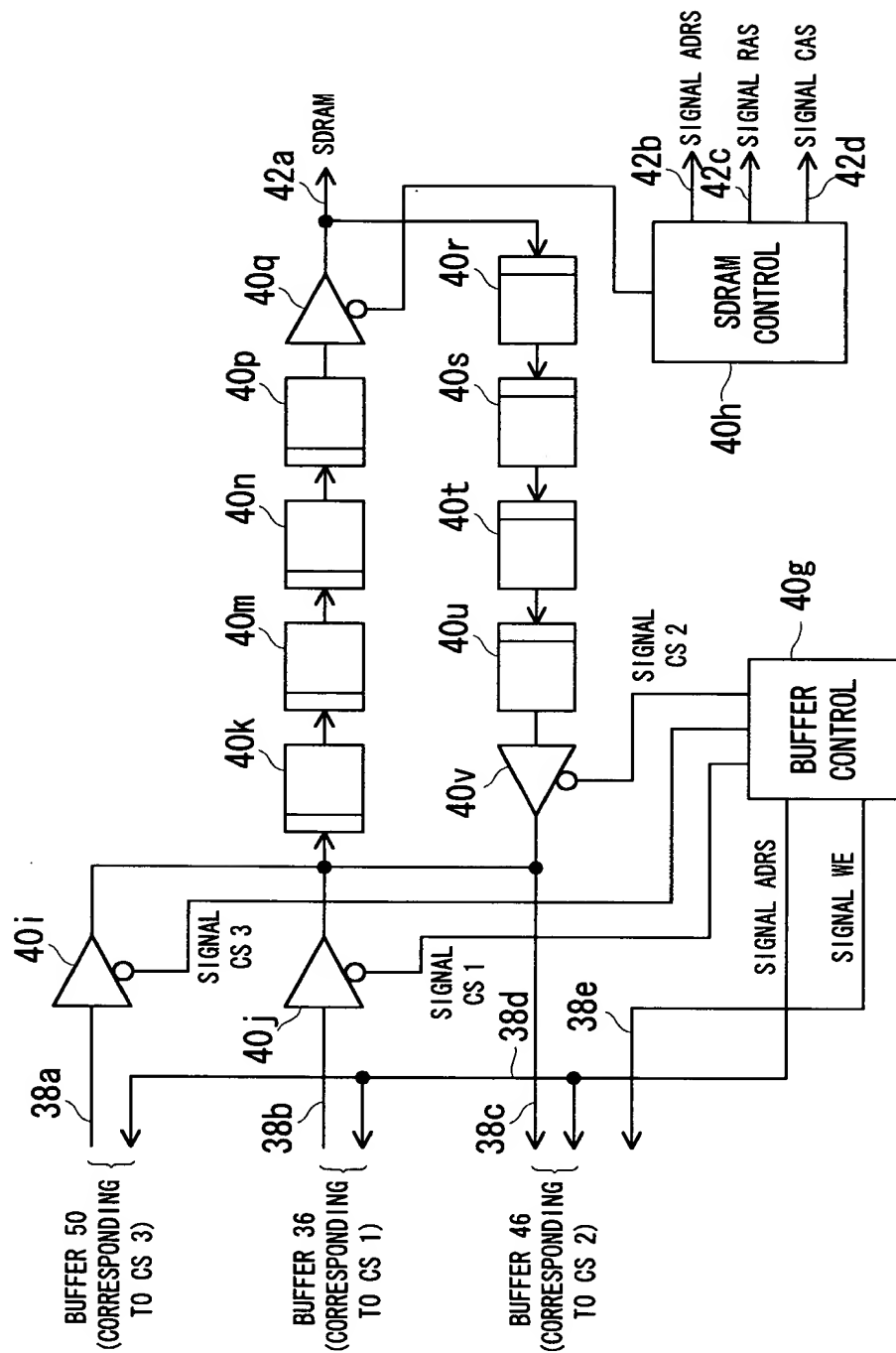
FIG. 5



|           |           |          |
|-----------|-----------|----------|
| APPROVED  | O.G. FIG. |          |
| BY        | CLASS     | SUBCLASS |
| DRAFTSMAN |           |          |

FIG. 6

40f



|           |           |          |
|-----------|-----------|----------|
| APPROVED  | O.G. FIG. |          |
| BY        | CLASS     | SUBCLASS |
| DRAFTSMAN |           |          |

FIG. 7

HORIZONTAL  
BLANKING PERIOD

(A) Hsync

(B) ORIGINAL  
READ  
REQUEST

(C) THUMBNAIL  
READ  
REQUEST

(D) READOUT  
DATA

(E) READOUT  
ADDRESS

THUMBNAIL  
IMAGE DATA

ORIGINAL IMAGE DATA

24 MHz

24MHz

64 96 65 97

0 16 1 17

Y<sub>0</sub>-Y<sub>24</sub> Y<sub>32</sub>-Y<sub>55</sub>  
U<sub>0</sub>-V<sub>12</sub> U<sub>16</sub>-V<sub>24</sub>

Y<sub>0</sub>-Y<sub>3</sub> Y<sub>4</sub>-Y<sub>7</sub>  
U<sub>0</sub>-V<sub>1</sub> U<sub>2</sub>-V<sub>3</sub>

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

YC

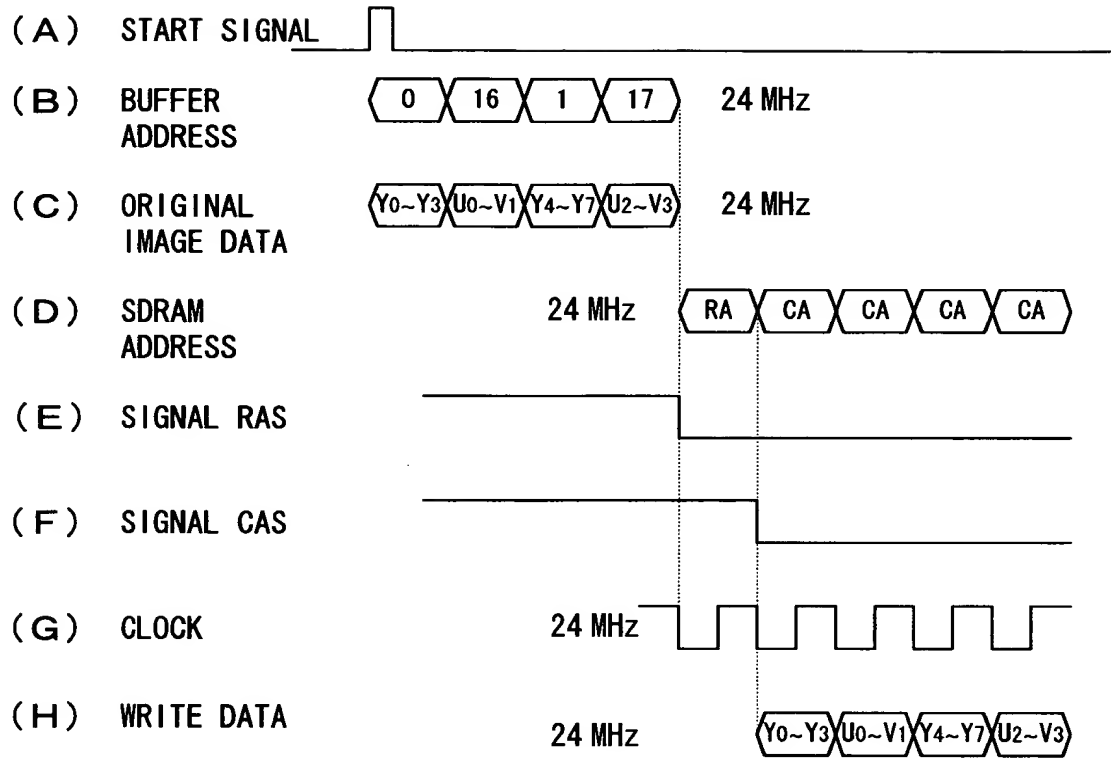
YC

YC

YC

|           |           |          |
|-----------|-----------|----------|
| APPROVED  | O.G. FIG. |          |
| BY        | CLASS     | SUBCLASS |
| DRAFTSMAN |           |          |

FIG. 8



Approved for Release